

We claim:

1. A process for the preparation of alkylated dihydroxybenzene, said process comprising alkylating dihydroxy benzene with tertiary butyl alcohol in the presence of a solid acid/solid polymer catalyst at a temperature in the range of 40 to 90°C for a time period in the range of 2 to 8 hours, separating the alkylated dihydroxybenzene.
2. The process of claim 1 wherein the dihydroxybenzene to be alkylated is selected from the group consisting of resorcinol, hydroquinone and catechol.
3. The process of claim 1 wherein the catalyst used is selected from zeolites of the types HZSM-5 ($\text{SiO}_2/\text{Al}_2\text{O}_3 = 30$), HY ($\text{SiO}_2/\text{Al}_2\text{O}_3 = 5.2$), H-Mordenite (HM) ($\text{SiO}_2/\text{Al}_2\text{O}_3 = 20$), MCM-41, Montmorillonite-K10 clay, alumina and polyaniline sulfate.
4. The process of claim 1 wherein the process is carried out at a temperature between about 60°C to 90°C.
5. The process of claim 1 wherein the process is carried out for a time period between about 6 to 8 hours.